FIG. 1

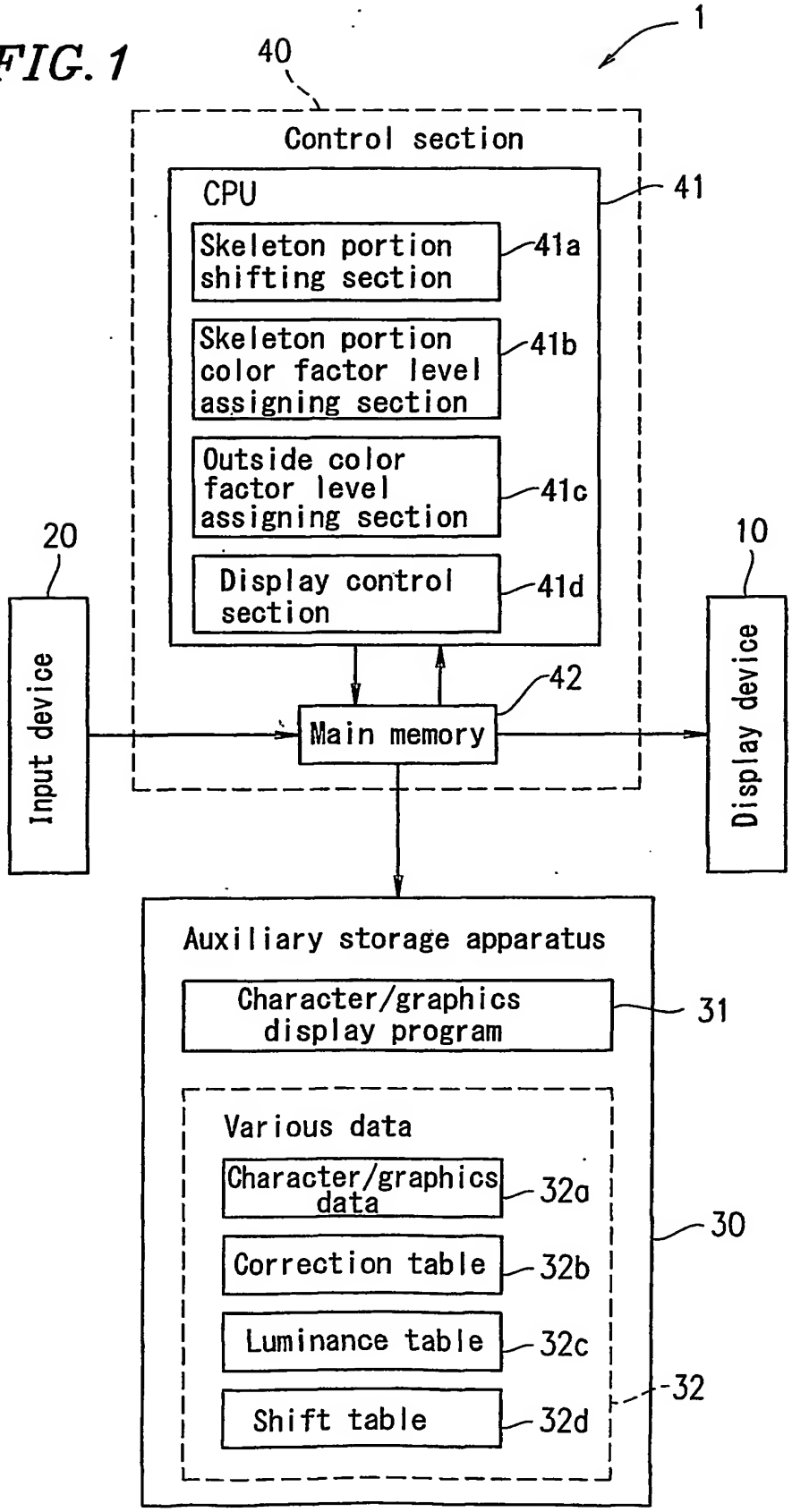

1
40
Control section
CPU
41
Skeleton portion shifting section
41a
Skeleton portion color factor level assigning section
41b
Outside color factor level assigning section
41c
Display control section
41d
20
10
Input device
Display device
42
Main memory
Auxiliary storage apparatus
Character/graphics display program
31
Various data
Character/graphics data
32a
Correction table
32b
Luminance table
32c
Shift table
32d
32
30

FIG.2

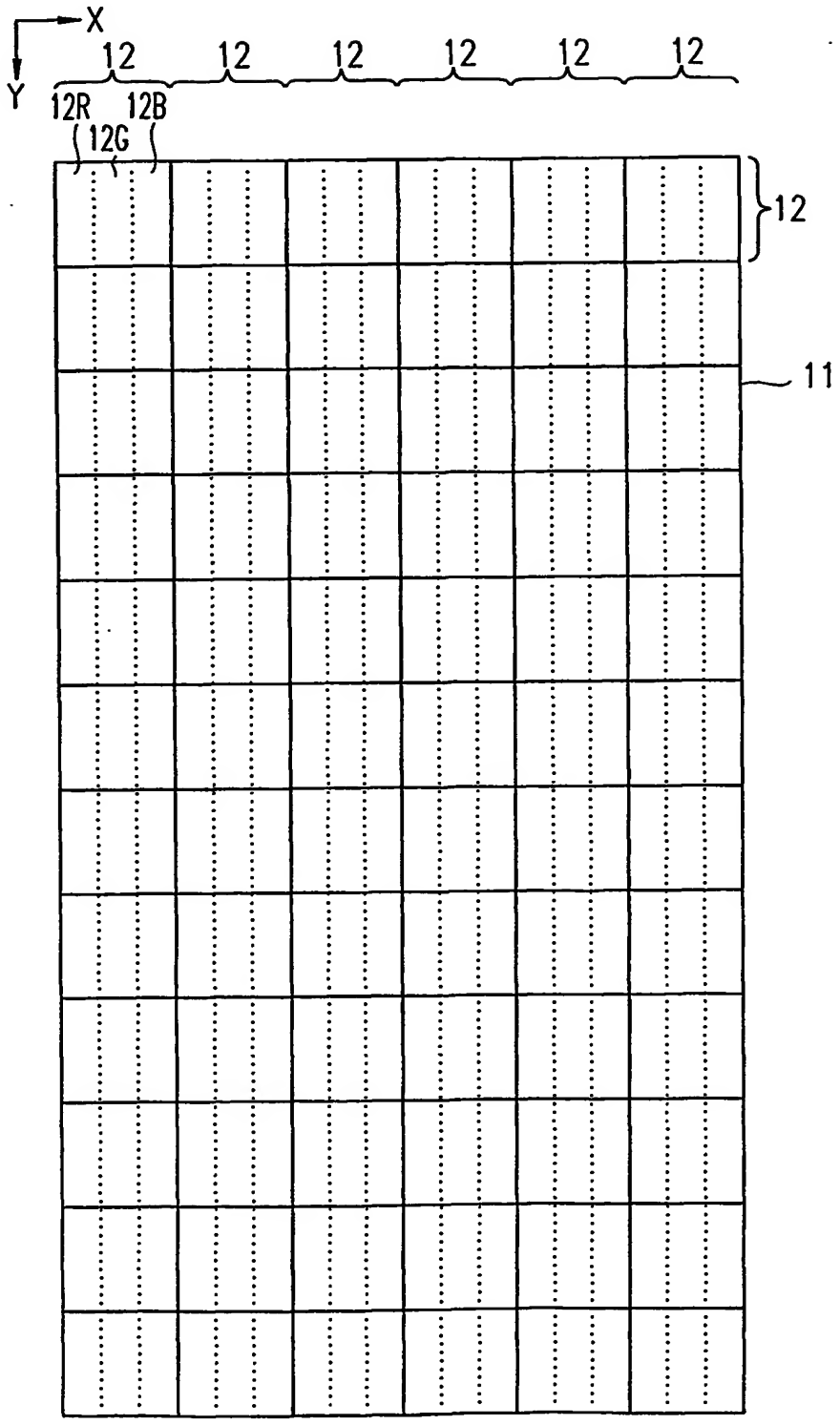


FIG. 3

Correction table 32b

		Correction pattern
Color factor level	Subpixel 1	5
	Subpixel 2	2
	Subpixel 3	1

FIG. 4

Luminance table 32c

		Luminance level		
		R	G	B
Color factor level	7	0	0	0
	6	36	36	36
	5	73	73	73
	4	109	109	109
	3	146	146	146
	2	182	182	182
	1	219	219	219
	0	255	255	255

FIG. 5A

Shift table 321d

	Device characteristic A	Device characteristic B	Device characteristic C	....
Shift amount	2	0	1	....

FIG. 5B

Shift table 322d

	Thickness width 1	Thickness width 2	Thickness width 3	....
Shift amount	0	0	1	....

FIG. 5C

Shift table 323d

	European character	Kanji character	Non-Kanji character	....
Shift amount	0	2	1	....

FIG. 5D

Shift table 324d

Background \ Character or graphics	White	Black	Blue	Red	Yellow	...
White		0	0	0	1	
Black	0		1	1	2	
Blue	2	1		0	2	
Red	1	2	0		0	
⋮	1	2	2	1		

FIG. 5E

Shift table 325d

Thickness width \ Device characteristic	A	B	C	D	...
1		0	1	0	
2	2		1	1	
3	0	1		0	
4	1	2	0		
⋮					

FIG. 6

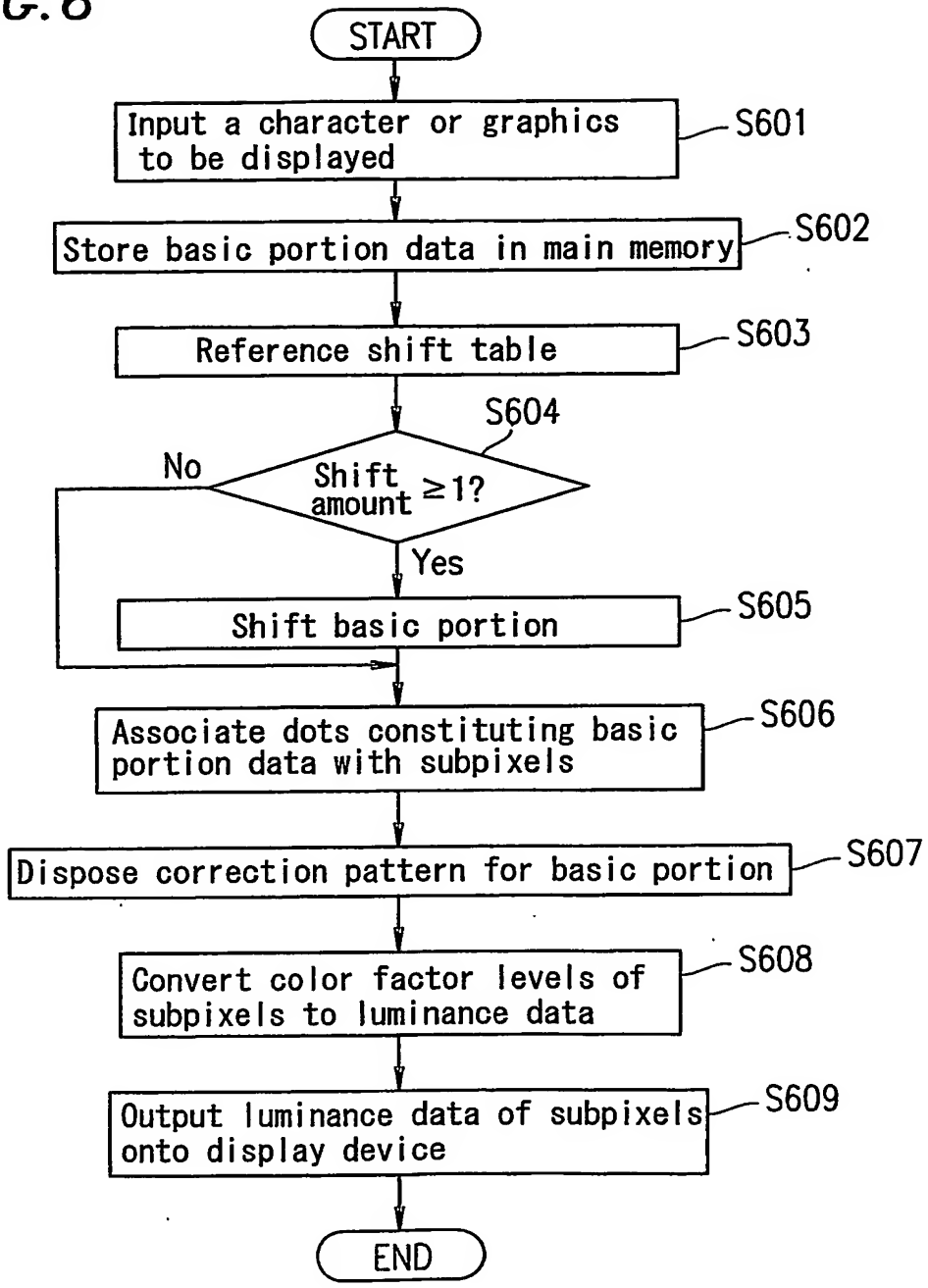

START
Input a character or graphics to be displayed
S601
Store basic portion data in main memory
S602
Reference shift table
S603
S604
No
Shift amount ≥1?
Yes
Shift basic portion
S605
Associate dots constituting basic portion data with subpixels
S606
Dispose correction pattern for basic portion
S607
Convert color factor levels of subpixels to luminance data
S608
Output luminance data of subpixels onto display device
S609
END

FIG. 7

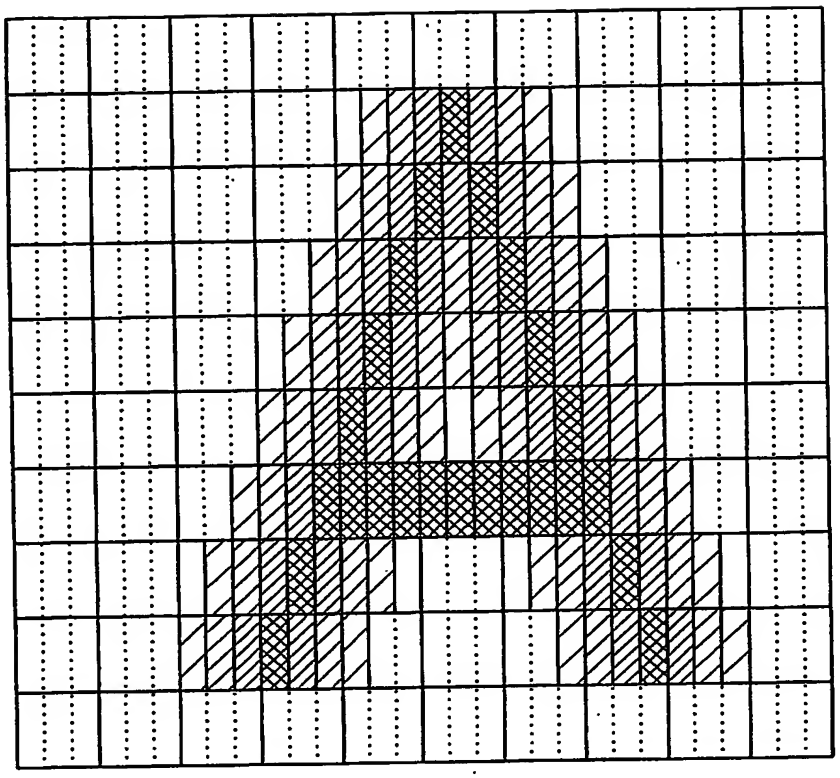


FIG.8

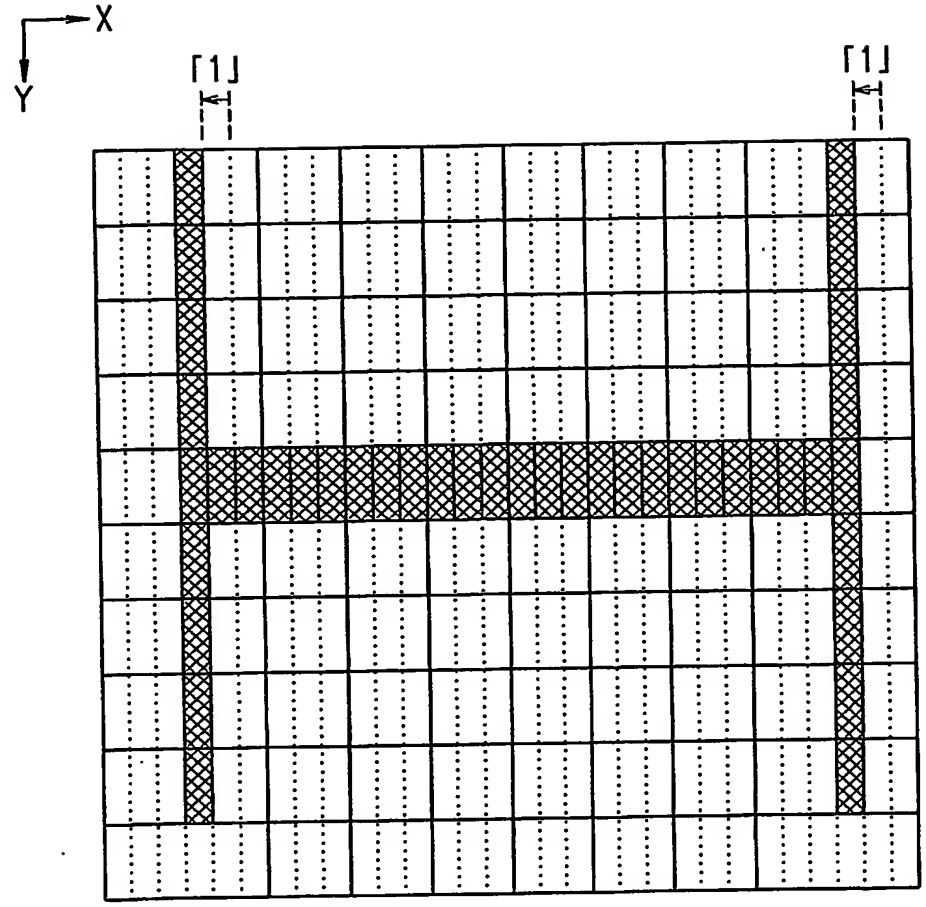


FIG. 9

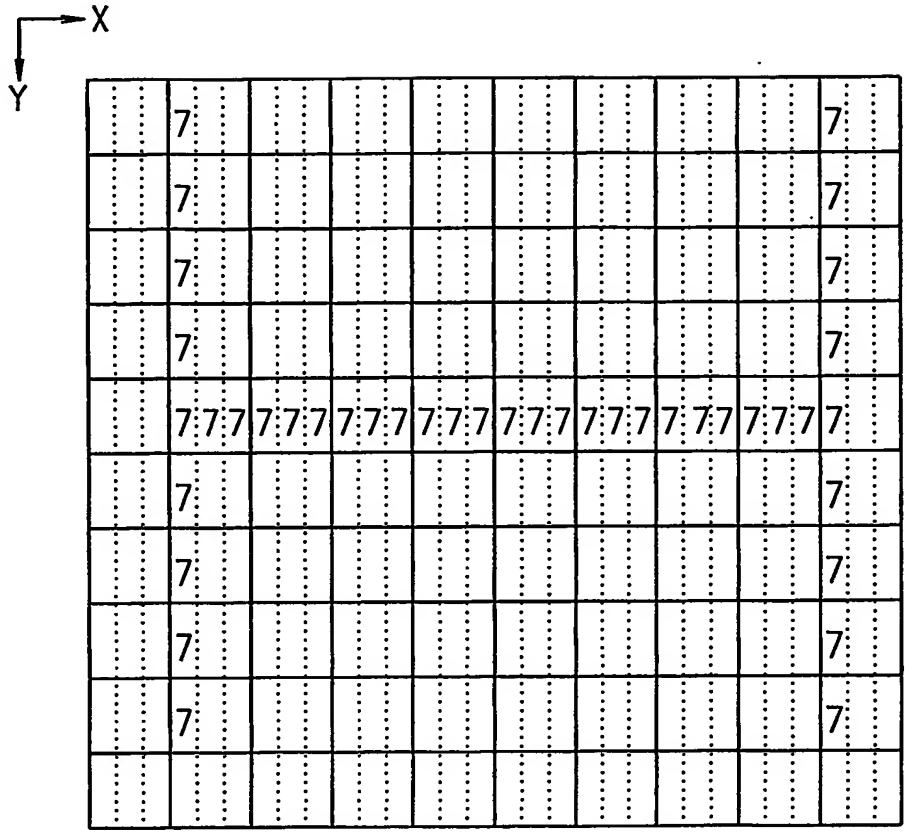


FIG. 10

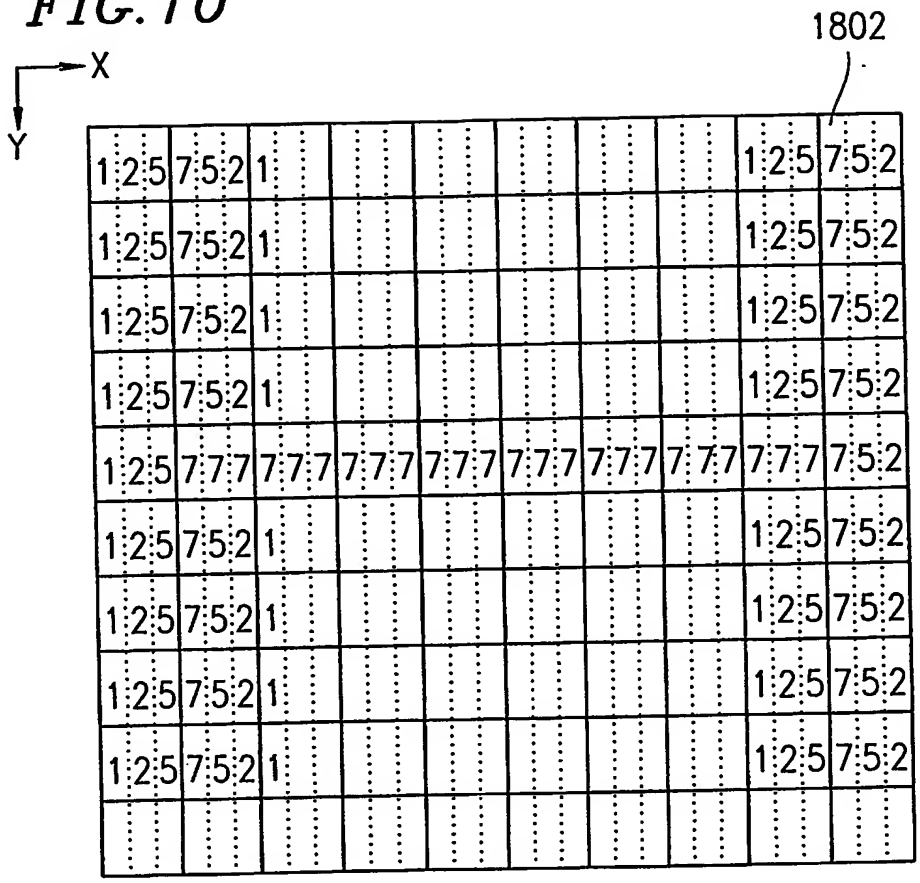


FIG. 11

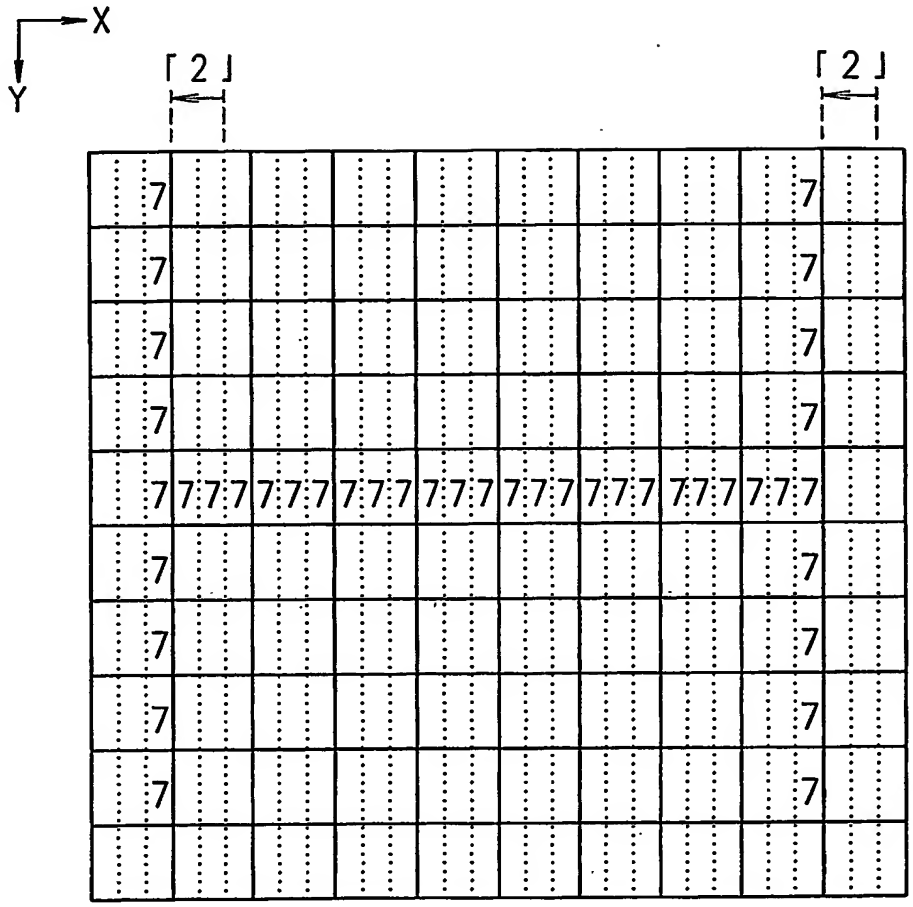


FIG. 12

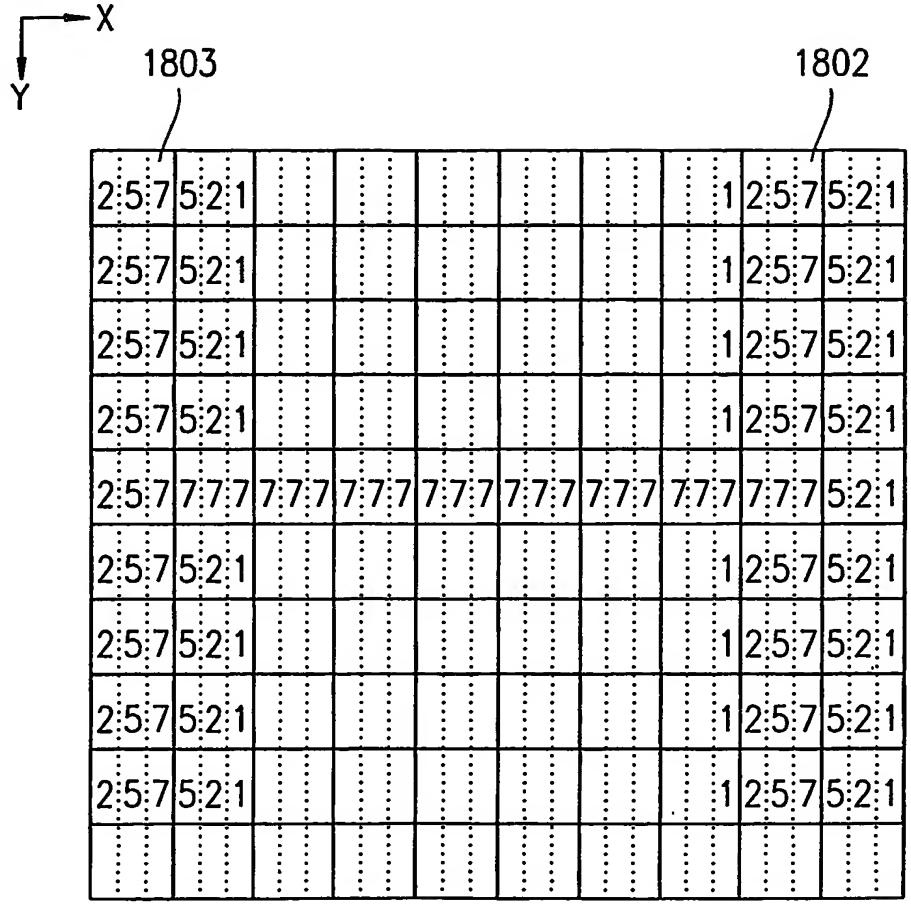


FIG. 13

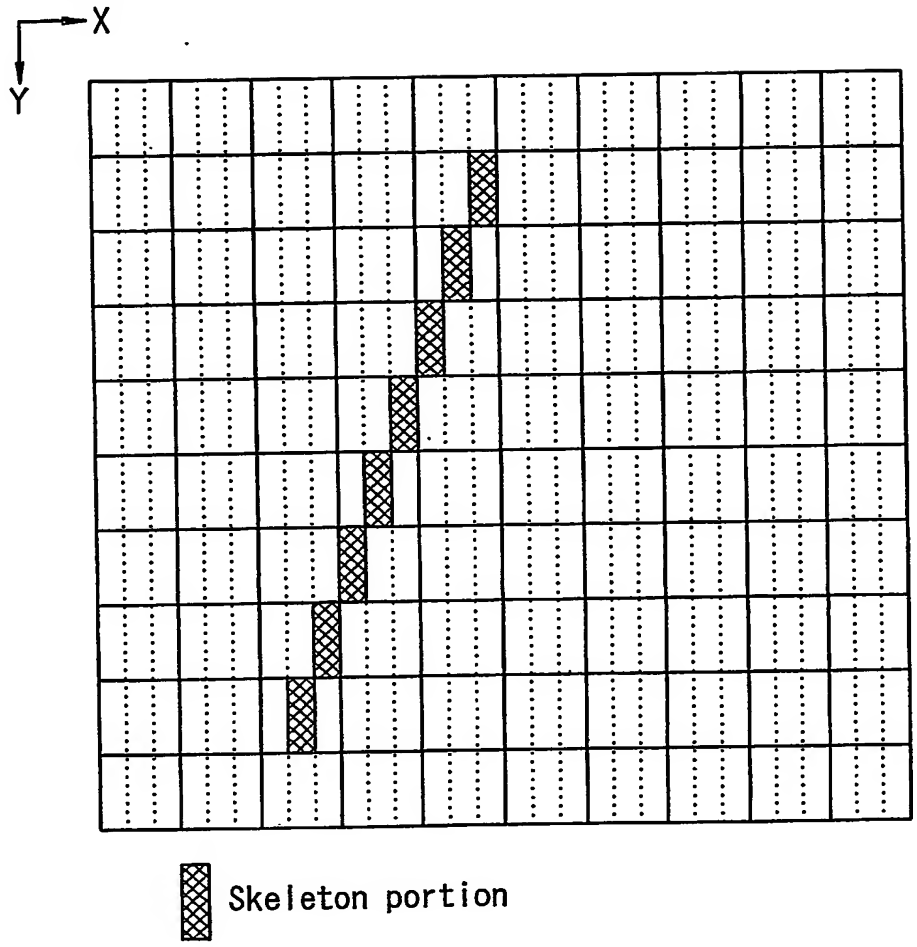
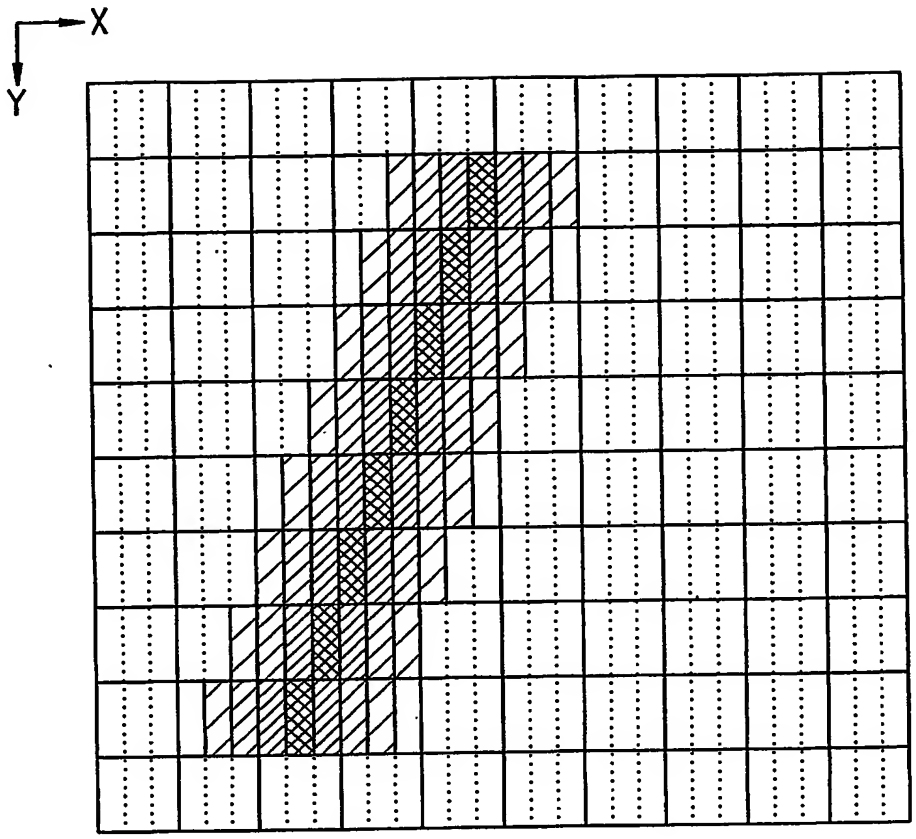


FIG. 14



:Subpixel corresponding to basic portion

, : Correction pattern

Luminance level 0

Luminance level 219

Luminance level 73

Luminance level 255

Luminance level 182

FIG. 15

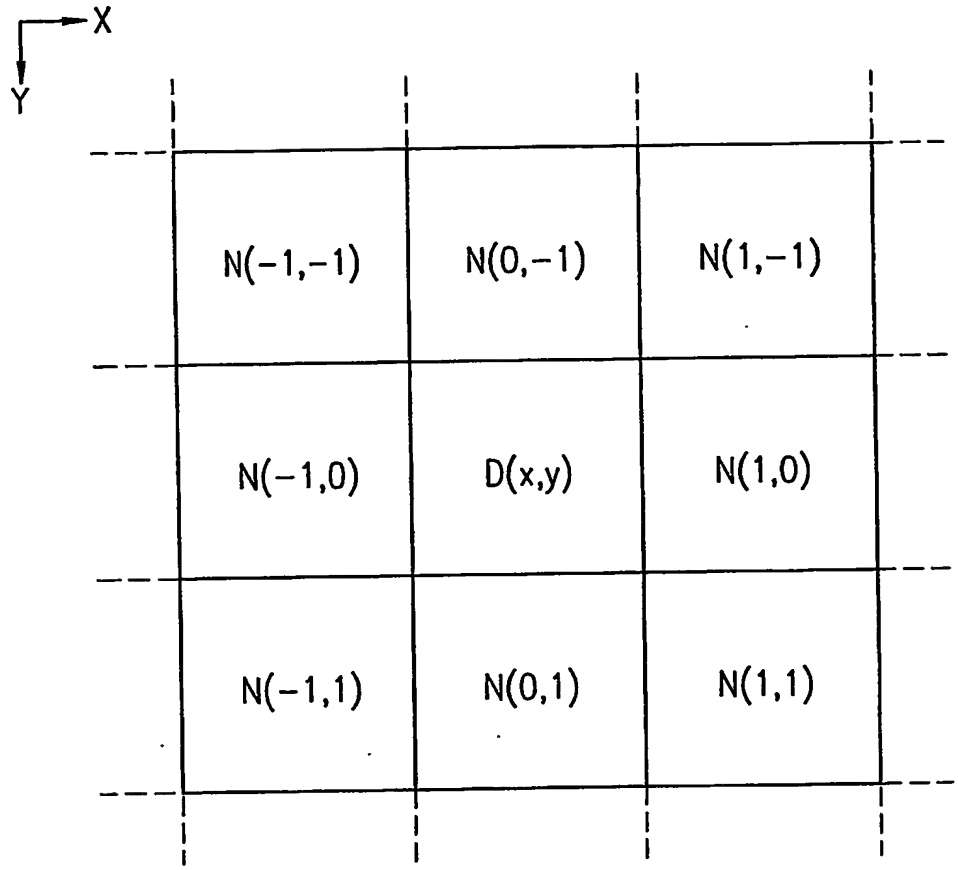


FIG. 16

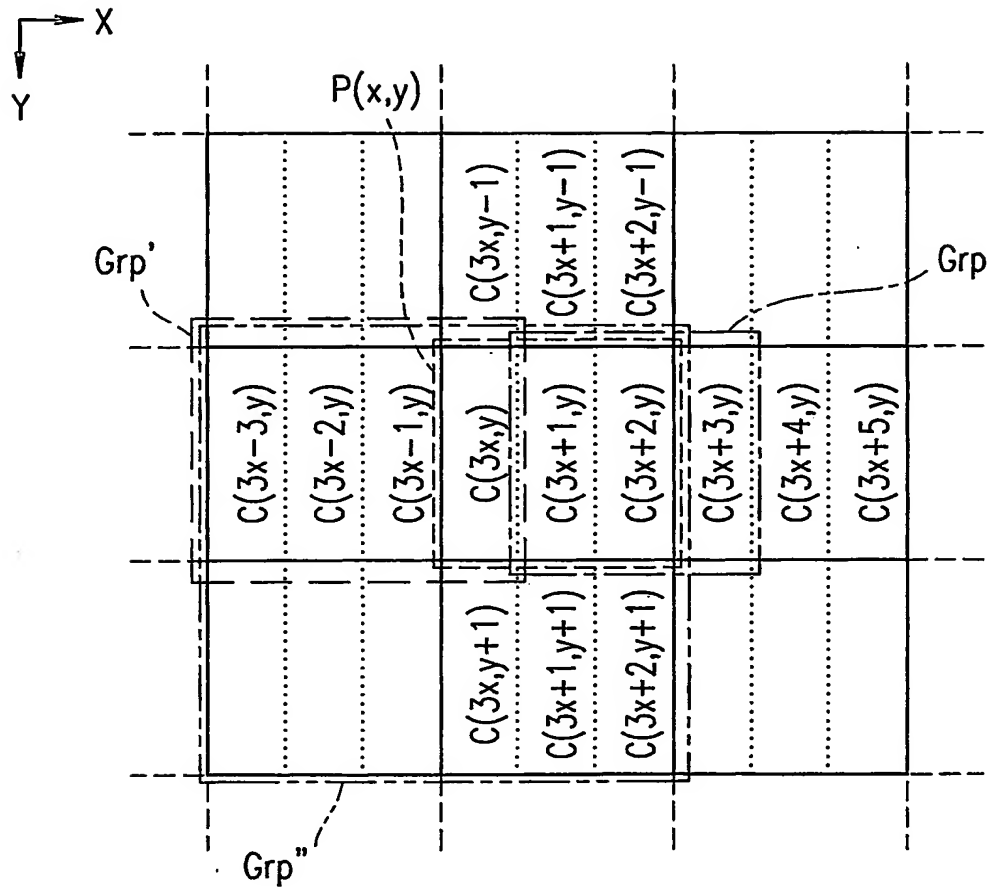

X
Y
P(x,y)
Grp'
Grp
Grp"
C(3x-3,y)
C(3x-2,y)
C(3x-1,y)
C(3x,y)
C(3x+1,y)
C(3x+2,y)
C(3x+3,y)
C(3x+4,y)
C(3x+5,y)
C(3x,y-1)
C(3x+1,y-1)
C(3x+2,y-1)
C(3x,y+1)
C(3x+1,y+1)
C(3x+2,y+1)

FIG. 17A

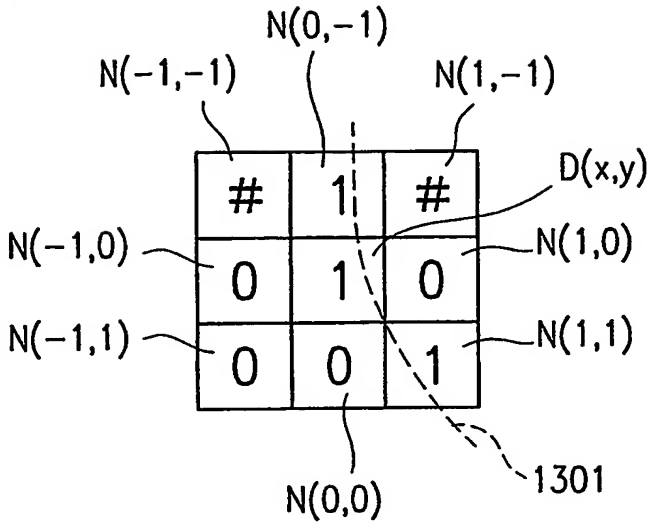


FIG. 17B

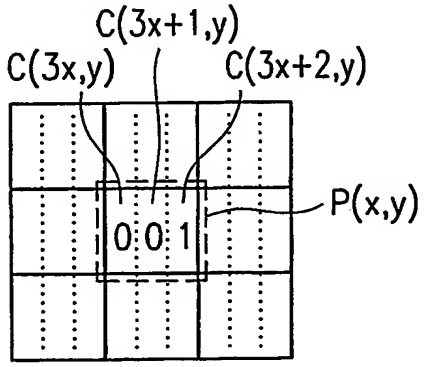


FIG. 18A

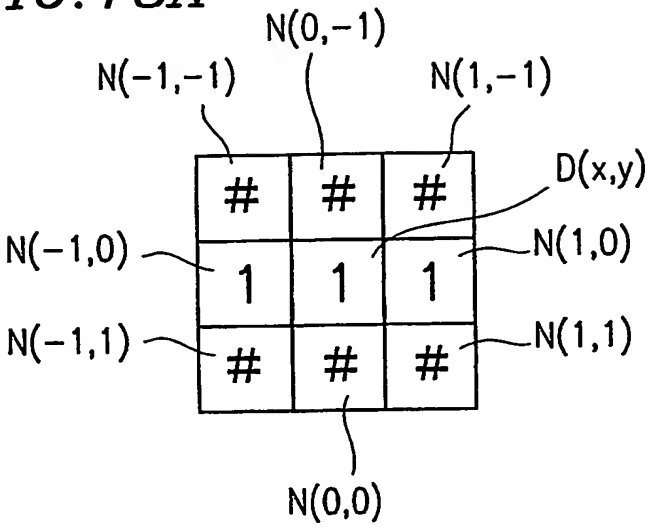


FIG. 18B

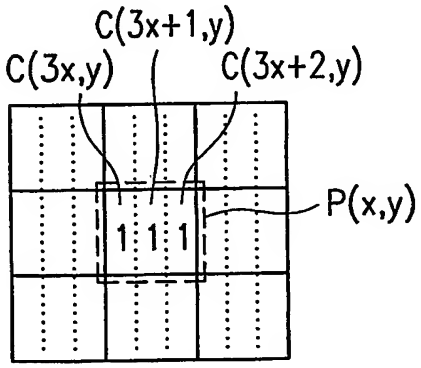


FIG. 19A

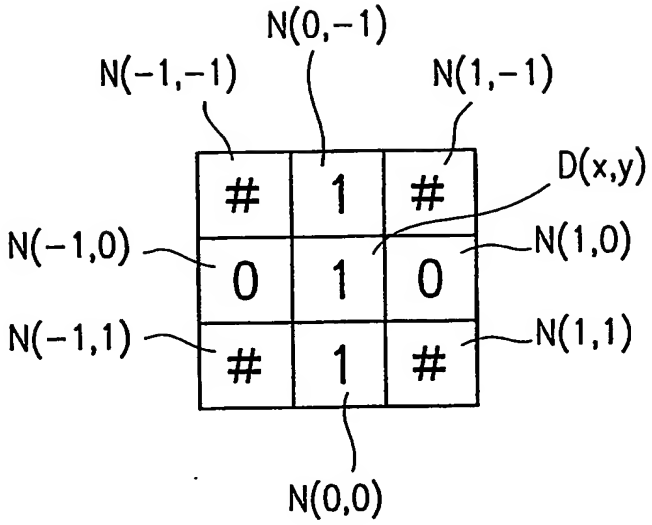


FIG. 19B

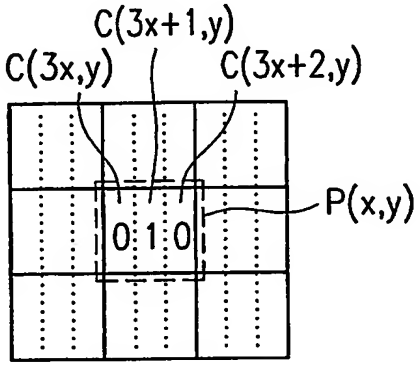
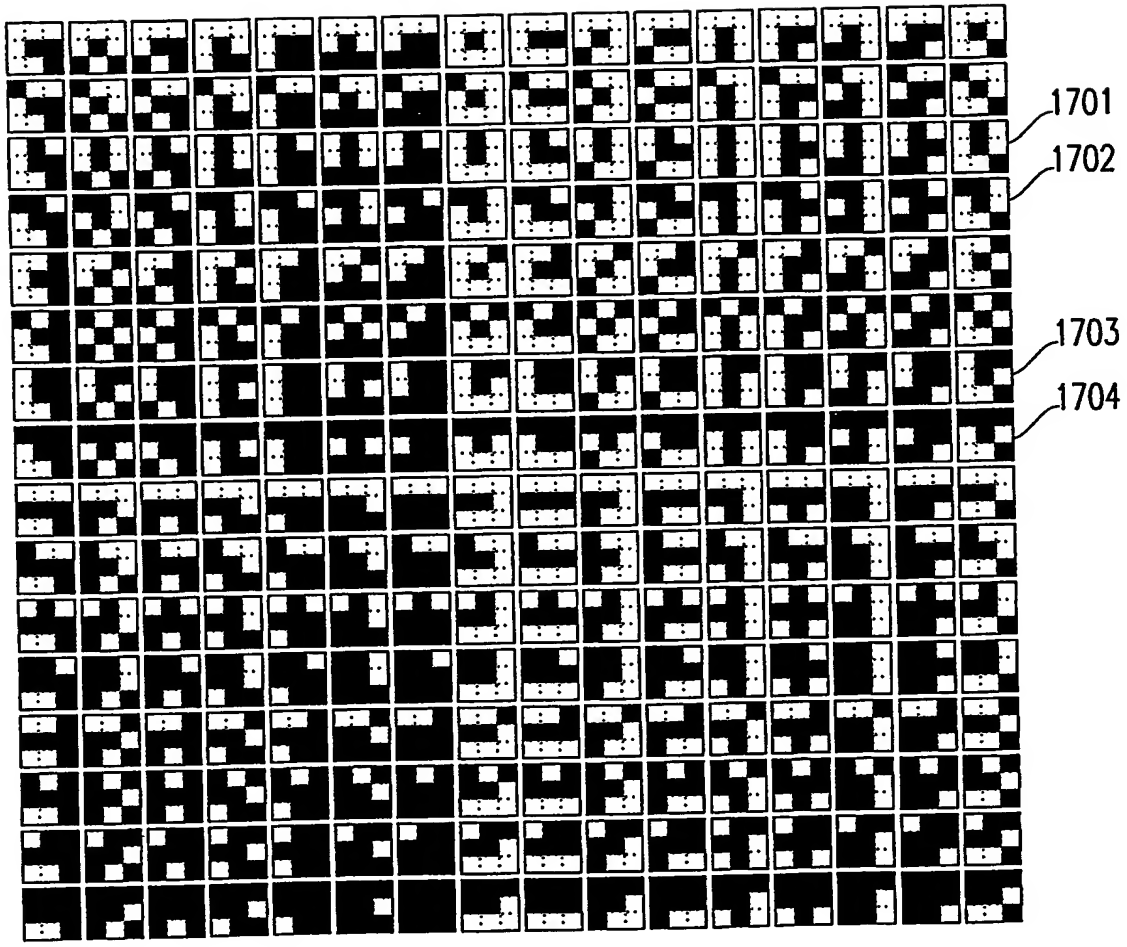


FIG.20



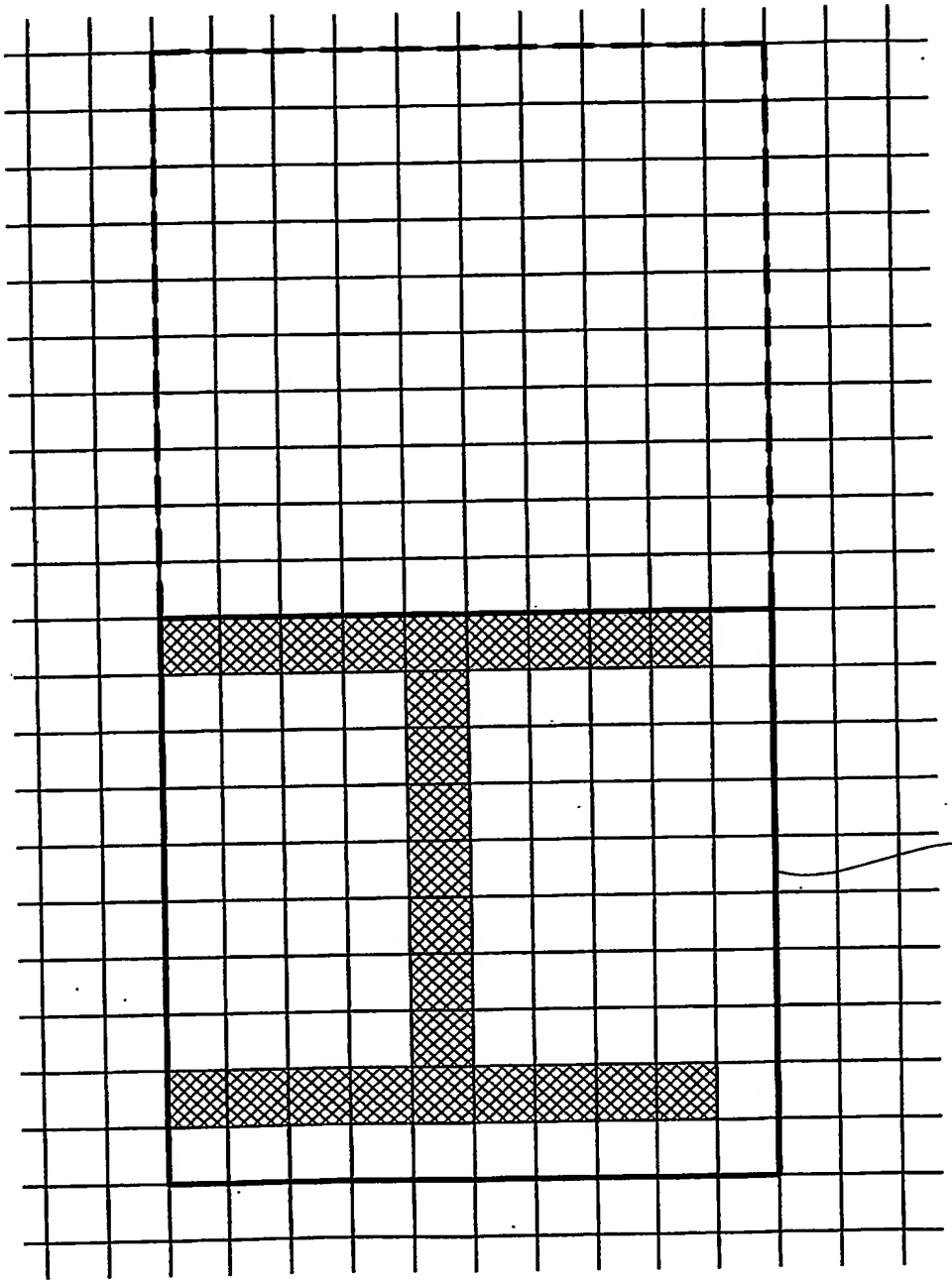


FIG.21

FIG.22

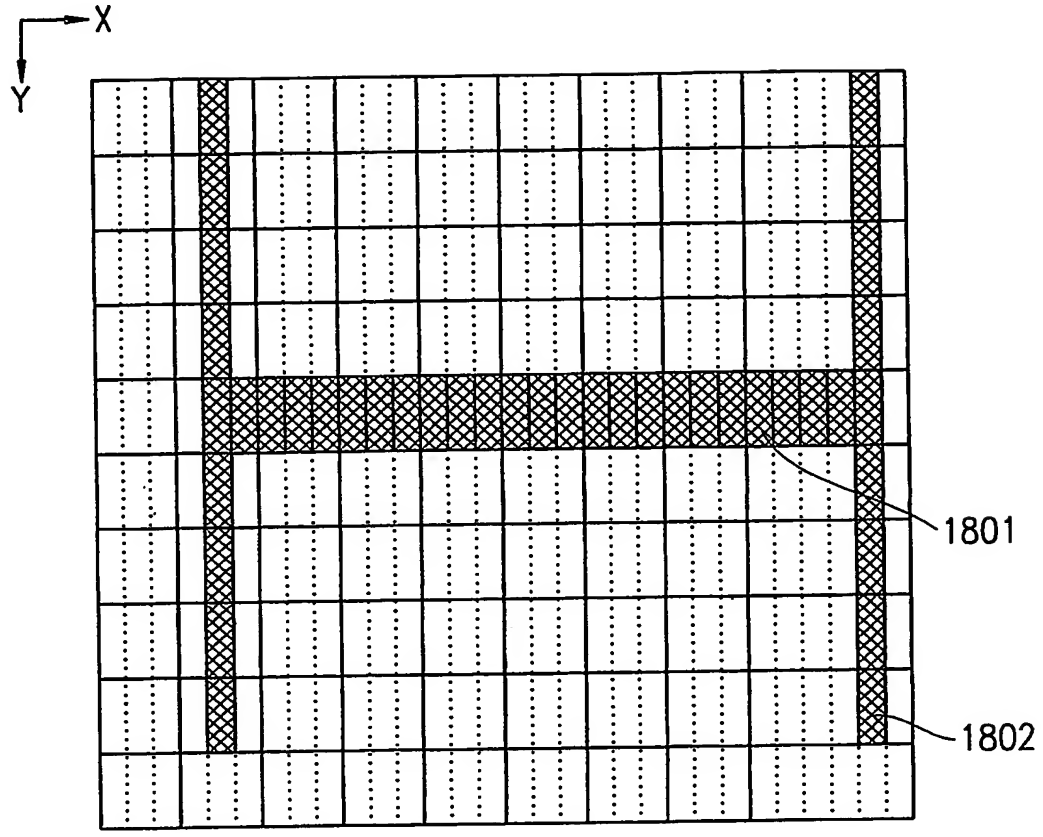


FIG. 23

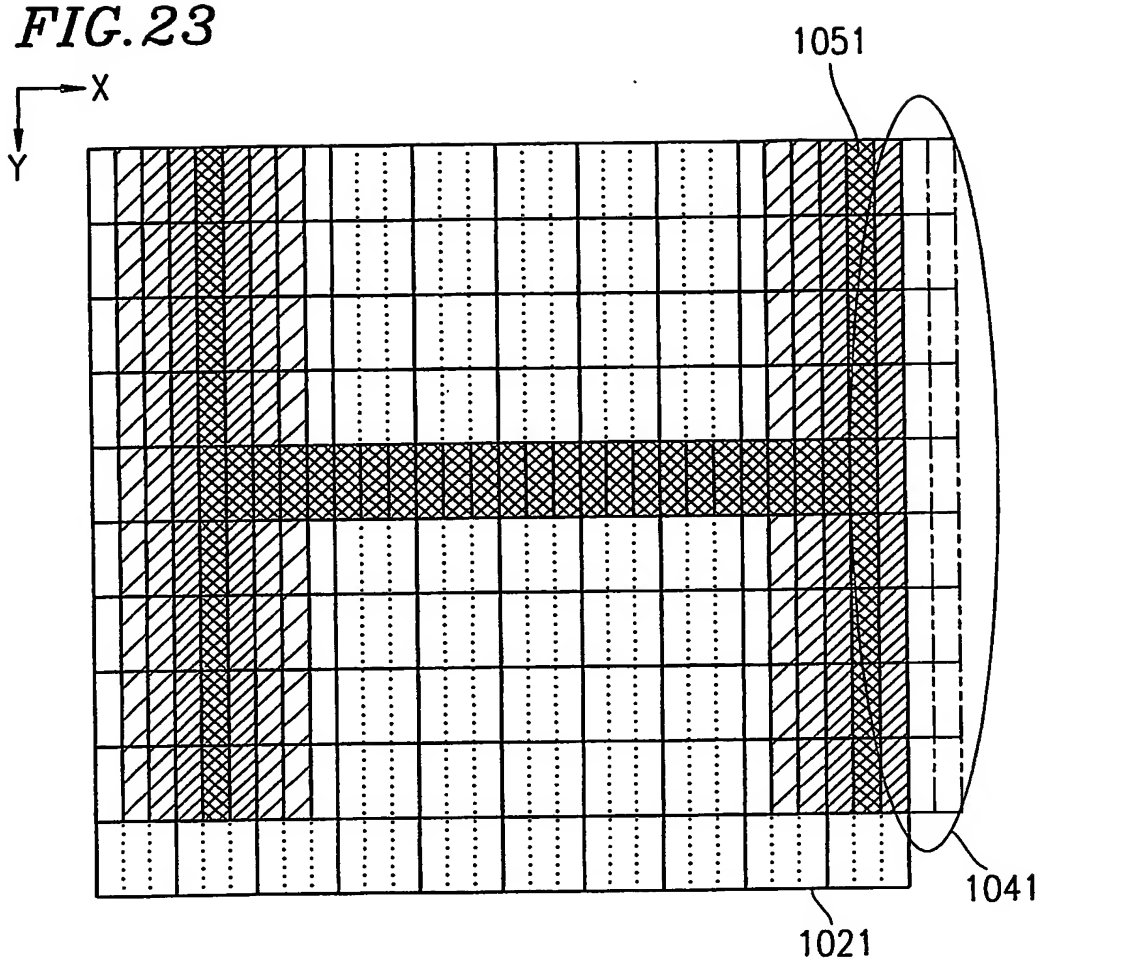

X
Y
1051
1041
1021
:Subpixel corresponding to basic portion
: Correction pattern
Luminance level 0
Luminance level 219
Luminance level 73
Luminance level 255
Luminance level 182

FIG.24

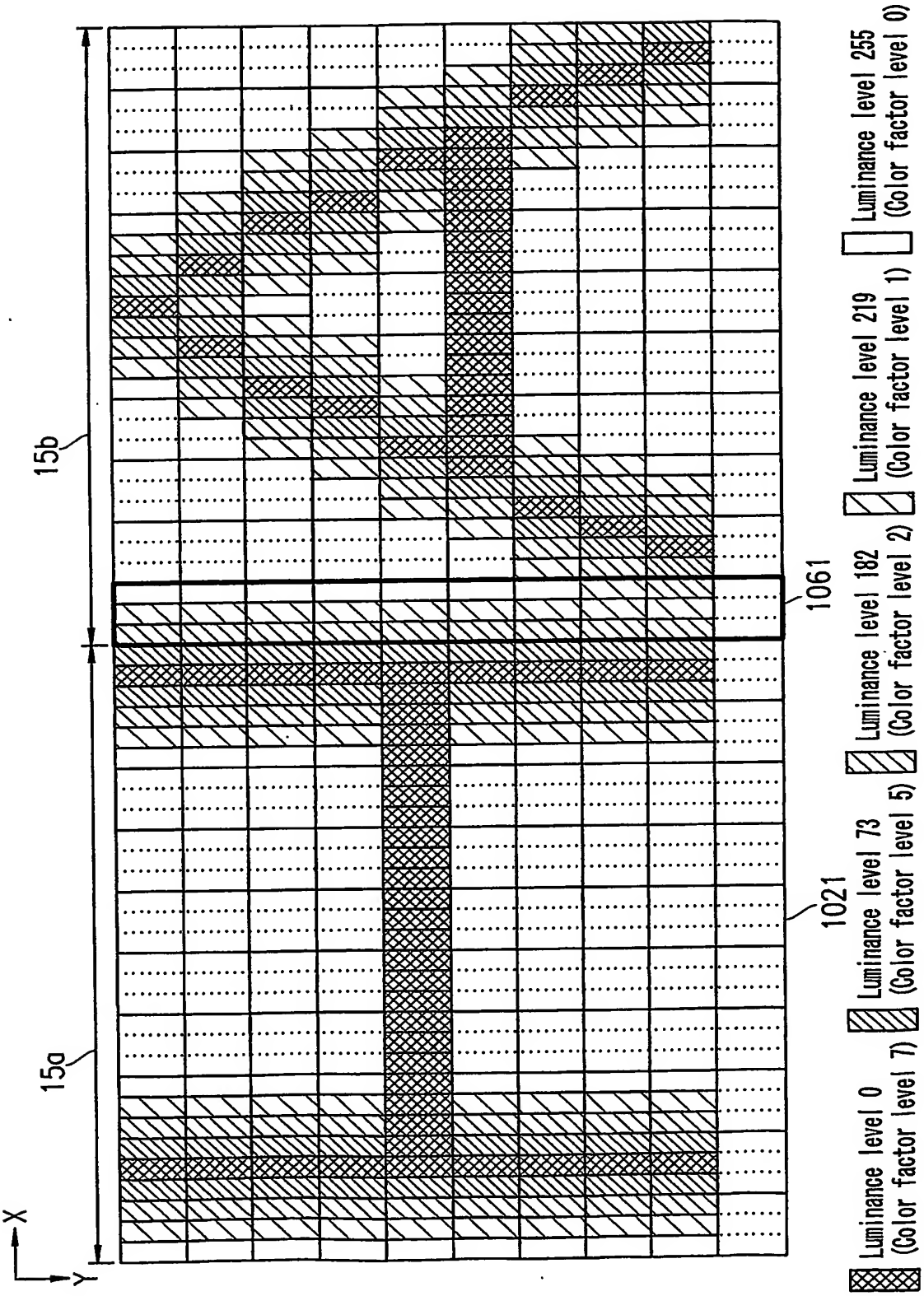
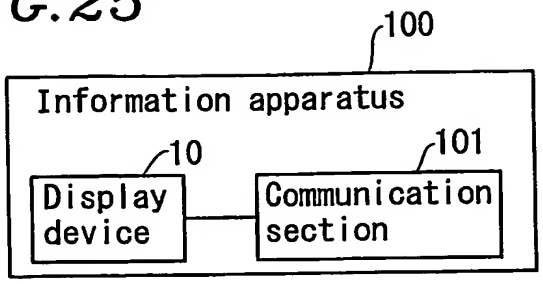

15b
15a
1061
1021
X
Y
Luminance level 0 (Color factor level 7)
Luminance level 73 (Color factor level 5)
Luminance level 182 (Color factor level 2)
Luminance level 219 (Color factor level 1)
Luminance level 255 (Color factor level 0)

FIG.25


100
Information apparatus
10
Display device
101
Communication section